Livestock Watering Practice

Landowner Name:			
Address:		Field #	
Completed by:	Checked by:	Approved by:	
Date:	Date:	Date:	
Low PSI in pressure ta Average pressure tank Estimated springflow in No. of Cattle Sketch of pipeline locat	k outflow (gpm) in gpm(or N/A) tion attached	CALL BEFORE DIGGING 1-800-344-7483 MISSOURI ONE CALL SYSTEM, INC.	
Sizing Pipe for pressure systems	s:	Use h _f and MLWSH, Chapter 5 (or applicable charts) to determine size of pipe:	
$h_f = \underline{\text{Head}} = \underline{\text{Well El.+(Low PSI x 2)}}$ Distance Distance in Fed		charts) to determine size of pipe.	
$h_f = (\underline{\hspace{1cm}}) + ((\underline{\hspace{1cm}}) \times (2.31)) -$	- ()	Use inch diameter pipe	
()		Flow through pipe is gpm	
$h_f = \underline{\hspace{1cm}}$ Feet of Head Feet of Pipe		Sizing Tank:	
Sizing Pipe for spring systems Use maximum springflow (or provide overflow)		If enough water cannot be provided using a pipeline, size tank reservoir to provide adequate water:	
hf= <u>feet of fall</u> = length of pipe		A cow will drink about 5 gallons each trip to the water source. (Use the 5 gallons per drink even for calves and smaller animals). Size the tank for one "drink" for the whole herd: Water Needed = (No. of Cattle)x(5 gallons/drink) Water Needed = x Tank Size = Water Needed = Gal.	
Provide water at a rate of not less the times the number of cattle that can dexample, a two hole waterer needs a Don't exceed 12 gpm without check well and planned tank.	drink. For at least 4 gpm.		
Use gpm delivery rate per drin	ıking fountain.		
Bill of Materials No. of TanksNo. of TanksFreezeproof HydrantsFt. ofdia. Schedule 4C.Y. of concrete in padFt. of Ultraviolet Stabilized Plus plumbing and fitting requiren	40 Pipe l Aboveground Pip	Tank Description Ft. of Fencing Ft. of Fencing Ft. of dia. Schedule 40 Pipe Tons/C.Y. of gravel in pad and base ipe Check valve for Rural Water scellaneous items listed below or attached	